

Mining

CONGRESS JOURNAL



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Mining

CONGRESS JOURNAL

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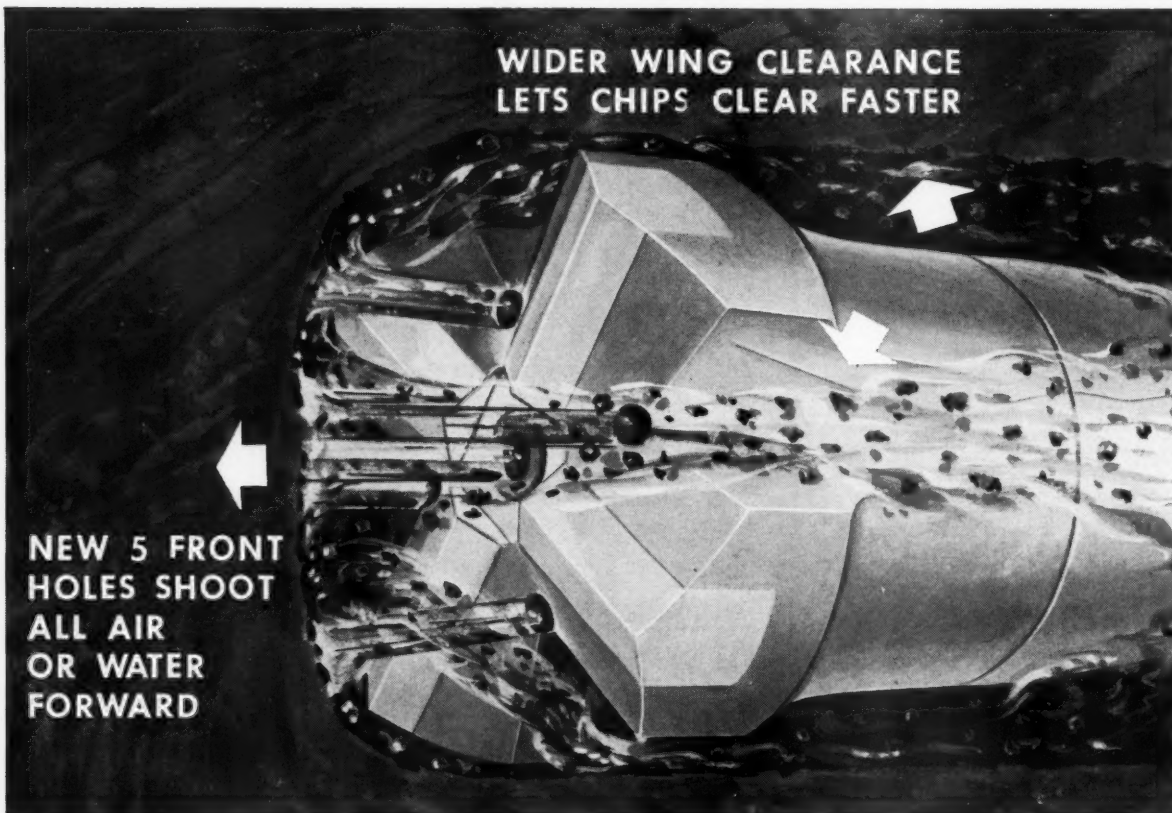
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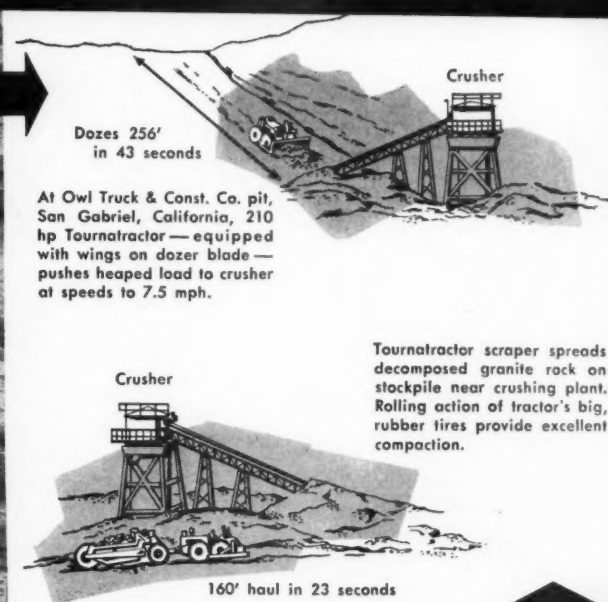
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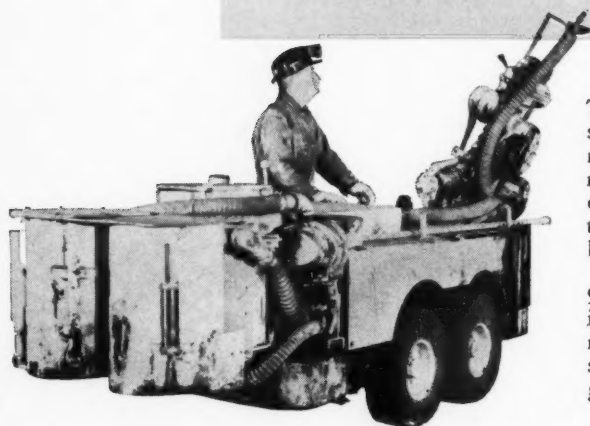
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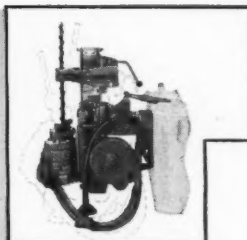


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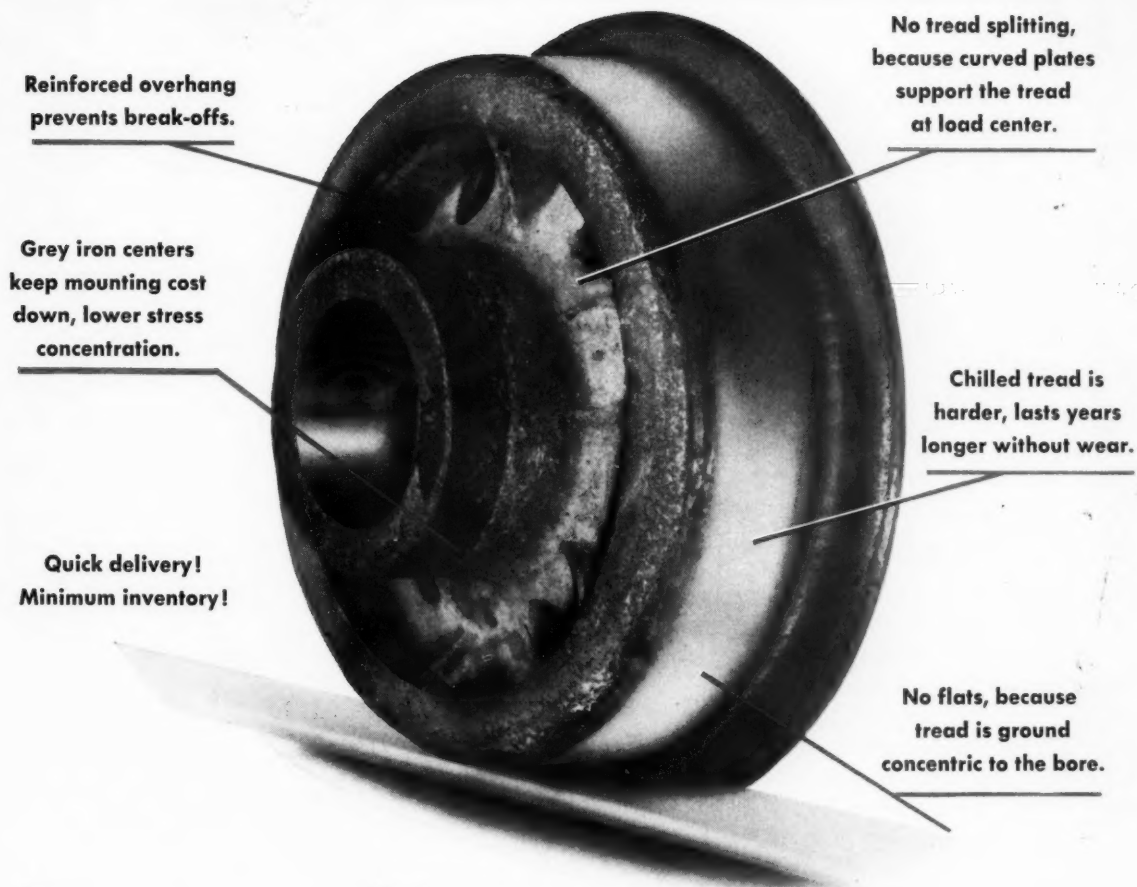
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EDITORIALS

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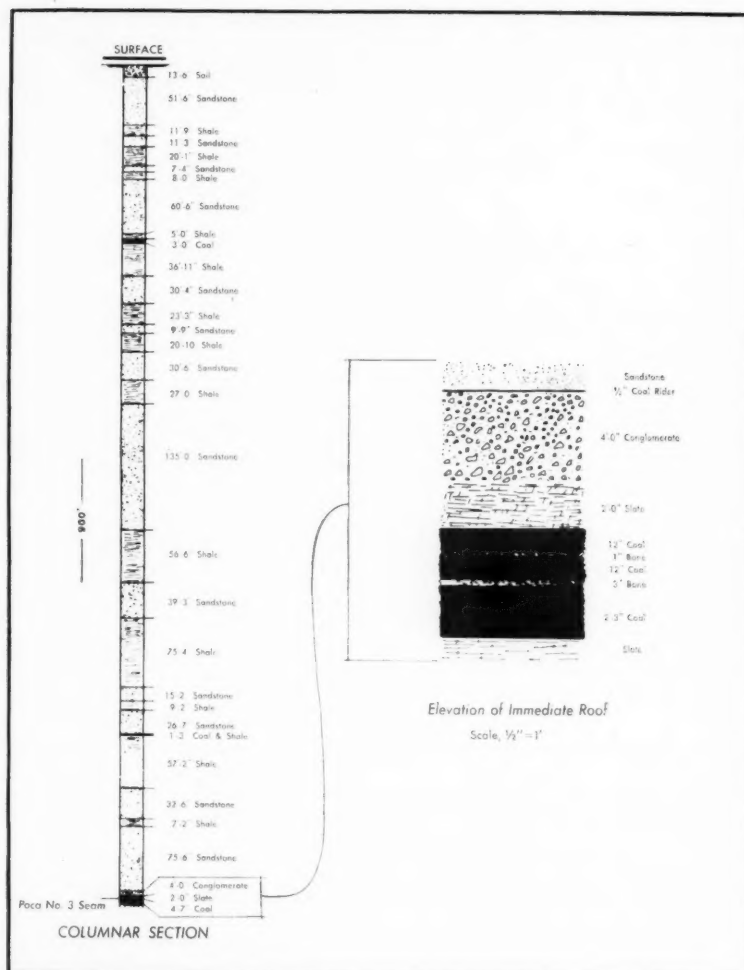
JANUARY, 1958

terial will pass at one in. Marketing requirements demand that all ore must pass through an eight-in. square opening. This makes an ideal material to convey. With proper chute design the fines form a cushion to protect the belt cover from the impact of the larger lumps. This cushion of fines also serves to "bed-down" the lumps to prevent "roll-backs."

Here is how a 12,000 tpd coal operation in West Virginia approached the problem of transportation behind continuous mining machines

Shuttle Cars

From Face



WHAT CAN RESEARCH DO

For Management

Problems in Mining?

A push loaded scraper will load faster and carry greater payloads due to the fact that the load is better heaped and more tightly packed



self load a rubber-tired self-propelled scraper is a misapplication of equipment and is economically unsound, except in specialized applications. The modern self-propelled scraper is basically a hauling unit. The great power built into it by the manufacturer is to enable the unit to carry big loads at high speeds with resultant high production, not to self load.

accomplished with a bulldozer if it is carefully planned and within the scope of high productivity of the dozer. This word of caution is injected due to the fact that the production curve of a bulldozer falls rapidly over certain distances with the resultant increase in cost.

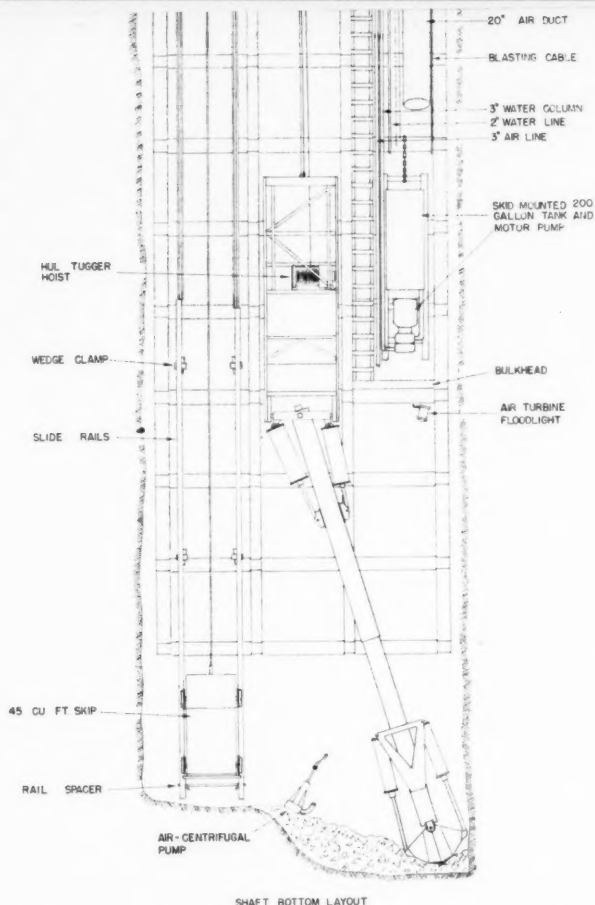
The costs per cubic yard for pushing loose material by the bulldozers are based on an efficiency of 8



Deepening of the Page Inclined Shaft with a CRYDERMAN SHAFT MUCKER

A report on the first application of the Cryderman machine to
inclined shafts in the United States

By T. M. T



SHAFT BOTTOM LAYOUT

Fine Coal Cleaning with the Feldspar Jig

By EARL R. McMILLAN

Manager of Coal Operations,
Northern Pacific Railway Co.

